

Opal Service District

Phase One Water Supply and Distribution System

No.	Item Description	Units	Quantity	Unit Price	Total Price
1	Mobilization & Closeout	LS	3%		\$100,838
2	6" C-900 PVC Water Main	LF	4,600	35	\$161,000
3	8" C-900 PVC Water Main	LF	34,092	43	\$1,465,956
4	10" C-900 PVC Water Main	LF	0	49	\$0
5	12" C-900 PVC Water Main	LF	2,771	58	\$160,718
6	15" C-900 PVC Water Main	LF	0	70	\$0
7	Railroad Crossing	LF	0	450	\$0
8	Minor Road Crossing	LS	4	40,000	\$160,000
9	Major Road Crossing	LS	4	125,000	\$500,000
10	Stream Crossing	LF	0	200	\$0
11	Elevated Storage Tank	GAL	260,000	1.4	\$364,000
12	Well House	LS	3	200,000	\$600,000
13	Seeding and Grading	LF	36,863	1.5	\$55,295
14	Erosion and Sed. Control	LS	36,863	1.5	\$55,295
Sub-Total Construction Cost					\$3,623,100.89
Contingency					10% \$362,310.09
Total Est. Construction Cost					\$3,985,410.98
Associated Project Costs					
Design					
Hydrogeological Study					
Land					
Easements					
Legal Fees/Appraisals					
Inspection Services					
Permits					
Sub-Total Associated Costs:					
Total Project Costs:					\$5,170,816

Notes:

1. Well construction and associated costs assumes that one production well of 75 gpm can be developed in Zones OPA-4, 5&6. A test drilling program must be completed to validate this assumption.
2. System capacity is 550 ERC's based on assumed available source, and 700 ERC's based on proposed storage volume.

Opal Service District

Phase One (Reduced Scope) Water Supply and Distribution System

No.	Item Description	Units	Quantity	Unit Price	Total Price
1	Mobilization & Closeout	LS	3%		\$82,320
2	6" C-900 PVC Water Main	LF	4,600	35	\$161,000
3	8" C-900 PVC Water Main	LF	20,700	43	\$890,100
4	10" C-900 PVC Water Main	LF	0	49	\$0
5	12" C-900 PVC Water Main	LF	4,800	58	\$278,400
6	15" C-900 PVC Water Main	LF	0	70	\$0
7	Railroad Crossing	LF	0	450	\$0
8	Minor Road Crossing	LS	4	40,000	\$160,000
9	Major Road Crossing	LS	3	125,000	\$375,000
10	Stream Crossing	LF	0	200	\$0
11	Elevated Storage Tank	GAL	260,000	1.4	\$364,000
12	Well House	LS	3	200,000	\$600,000
13	Seeding and Grading	LF	25,500	1.5	\$38,250
14	Erosion and Sed. Control	LS	25,500	1.5	\$38,250
Sub-Total Construction Cost					\$2,987,320.00
Contingency 10%					\$298,732.00
Total Est. Construction Cost					\$3,286,052.00
Associated Project Costs					
Design			12%		\$394,326
Hydrogeological Study					\$200,000
Land	SF	52,500	0.75		\$39,375
Easements	LF	25,500	3.5		\$89,250
Legal Fees/Appraisals		3%			\$98,582
Inspection Services		5%			\$164,303
Permits		0.5%			\$16,430
Sub-Total Associated Costs:					\$1,002,266
Total Project Costs:					\$4,288,318

Notes:

1. Well construction and associated costs assumes that one production well of 75 gpm can be developed in Zones OPA-4, 5&6. A test drilling program must be completed to validate this assumption.
2. System capacity is 550 ERC's based on assumed available source, and 700 ERC's based on proposed storage volume.